

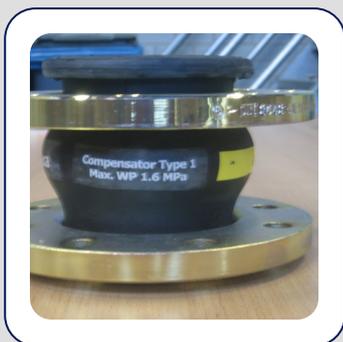


DOCUMENTATION SHEET

Rubber Bellows

Selection table bellows with flanges

SELECTION TABLE
BELLOWS WITH FLANGES



General

Our rubber bellows are made from various elastomers and provide the flexible element in pipework that is indispensable in today's technically advanced plant and machinery installations. By using the best quality proven rubber compounds and a construction based on many years of experience, our rubber bellows are produced to a high quality standard to guarantee maximum safety and performance.

The rubber bellows provide:

- Compensation of thermal or mechanical movement of pipework in axial, lateral or angular directions.
- Absorption and isolation of vibration combined with damping of pipework borne sound transmission.
- Reduction of pressure pulses in pipework.
- Flexible joint faces which provide built-in sealing within the bellows construction.
- Compensation for pipework misalignment on flexible mounted installations.

Our rubber bellows are available in standard constructions, type **1A**, **1B**, **1C** and **1S**, each available in different rubber qualities, so that the correct rubber bellow can be selected for every kind of medium and temperature. Next to that the high pressure bellows are available on request.

Identification marking	Inner lining Material and resistance	Outside cover Material and resistance
Yellow ring	ECO or NBR (Reinforced with textile cord) For fresh-, cold-, or seawater, all known fuels and petrol-benzolmixtures 50:50. Temp. range water: +70°C. Temp. range oil: -15°C + 90°C.	ECO or CR Especially resistant for outside weather conditions, as well as oil, age, ozone and flame resisting.
Yellow GS	NBR - Nitrile (Reinforced with steel cord) For fresh-, cold-, or seawater, all known fuels and petrol-benzolmixtures 50:50 and flame resistant without protection cover. Temp. range water: 40°C + 70°C. Temp. range oil: -15°C + 90°C.	(CR)-Chloroprene Especially resistant for outside weather conditions, as well as oil, age, ozone and flame resisting.
Yellow HO	NBR (Reinforced with textile cord) For fresh-, cold-, or seawater, all known fuels and petrol-benzolmixtures 50:50. Temp. range water: +70°C. Temp. range oil: >110°C.	(CR)-Chloroprene Especially resistant for outside weather conditions, as well as oil, age, ozone and flame resisting.
Red ring	EPDM (Reinforced with textile cord) Hot-water constructions for heating installations with safe usage temperatures of 90°C.	EPDM Especially resistant for outside weather conditions as well as ageing.
Red HP	EPDM (Reinforced with aramide cord) Hot-water constructions for heating installations with safe usage temperatures of 130°C.	EPDM Especially resistant for outside weather conditions as well as ageing.
Green ring	CSM (Reinforced with textile cord) Acid resistant rubber which can be used for most acids. However specify the substance and the operating temperature.	(CR)-Chloroprene Especially resistant for outside weather conditions, as well as oil, age, ozone and flame resisting.
White ring	NBR (Reinforced with textile cord) For drinking water, food and alcoholic beverages, also with fat containing foods such as oil.	(CR)-Chloroprene Especially resistant for outside weather conditions, as well as oil age, ozone and flame resisting.

TABLE



Rubber bellows with flanges have a special flow-assisting convoluted shape of the bellows which minimize detrimental turbulence of the medium and pressure loss.

High tensile strength texture cord plies combined with proven synthetic rubber mixes guarantee maximum reliability and an extended working life.

The rubber bellows are produced with a vulcanized steel ring to guarantee a perfect sealing of the profiled sealing rings in the special chamber of the swivel flanges.

The maximum working pressure is 16 Bar (10 Bar*) with a test pressure of 25 Bar and even a burst pressure of over 60 Bar (30 Bar*).

(*for bellows larger than NB 150)

Average installed insulation is about 25 dB, a figure which is further improved by compressed installation. The standard flange range is made of carbon steel S235JR, drilled according to DIN PN10/16 and electrolytic galvanized.

SELECTION TABLE BELLOWS WITH FLANGES

Rubber Design B.V.

Industrieweg 21

2995BE Heerjansdam

The Netherlands

Phone: +31 (0) 78 677 87 78

Fax: +31 (0) 78 677 10 38

Email: info@rubberdesign.nl

Web: www.rubberdesign.nl